



# SCHEDULE



US Certificate Of Conformity No: FM17US0123X

10. Equipment Ratings:

Intrinsically Safe for Class I, II and III, Division 1, Groups A, B, C, D, E, F and G using Control Drawing 66021; Nonincendive for Class I, Division 2, Groups A, B, C and D using Control Drawing 66021; Suitable for Class II, III, Division 2, Groups F, and G using Control Drawing 66021; hazardous (classified) locations, with an ambient temperature rating of T4 for  $-25^{\circ}\text{C} \leq T_a \leq +66^{\circ}\text{C}$

11. The marking of the equipment shall include:

IS Class I, II, III, Division 1, Groups A, B, C, D, E, F and G; T4;  $T_a = -25^{\circ}\text{C}$  to  $+66^{\circ}\text{C}$ ; Entity; Per Dwg 66021  
NI Class I, Division 2, Groups A, B, C, and D; T4  $T_a = -25^{\circ}\text{C}$  to  $+66^{\circ}\text{C}$ ; NIFW; Per Dwg. 66021;  
Suitable, Class II, III, Division 2, Groups F and G; T4  $T_a = -25^{\circ}\text{C}$  to  $+66^{\circ}\text{C}$ ; NIFW; Per Dwg. 66021

12. **Description of Equipment:**

General – The Load cells produce an output signal proportional to the applied weight force. The conversion of load measurements to electrical signals is made through the use of strain gauges. These are arranged in a balanced bridge configuration so that the deflection of the strain gauges causes a change in their resistance and unbalances the bridge circuit. For a given input voltage, the output voltage of the bridge will vary with the applied load or pressure.

Enclosure:

The circuitry of the Load Cell is encapsulated within the housing.

Ratings:

The Load Cells operate at 30 Vdc. The load cells are rated for use in an ambient temperature range of  $-25^{\circ}\text{C}$  to  $+66^{\circ}\text{C}$ .

**Models RL20000A, RL30002A, RL39123A, RL75040A, RL50210A, RLETB, RLETS, RLSCA, RLSSB, RL20000A, RL70000A, RL75016WHE, RL75060S, RL75223A, RL75040S and RLDB50000S, RL35023-N5, RL30002I, RL20000I, RL20001I, RL75016I, RL75058I Load Cells.**

Entity / NIFW Parameters:

$V_{\text{Max}} = 30 \text{ V}$ ,  $I_{\text{Max}} = 600 \text{ mA}$ ,  $P_i = 1.1\text{W}$ ,  $C_i = 0$ ,  $L_i = 0$ .

13. **Specific Conditions of Use:**

Under certain extreme circumstances, the non-metallic parts incorporated in the enclosure of model RL35023-N5, RL30002A, RL35023S, RL39123A, RLSSB, RL20000A, RL70000A, RL75016WHE, RL20000A, RL35082, RL35083, RL30000I, RL75016I, RL20001I, RL20000I, RL30002I, RLETS may generate an ignition-capable level of electrostatic charges. Therefore the equipment shall not be installed in a location where the external conditions are conducive to the build-up of electrostatic charges on such surfaces. Additionally, the equipment shall only be cleaned with a damp cloth.

**THIS CERTIFICATE MAY ONLY BE REPRODUCED IN ITS ENTIRETY AND WITHOUT CHANGE**

FM Approvals LLC. 1151 Boston-Providence Turnpike, Norwood, MA 02062 USA

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# SCHEDULE



US Certificate Of Conformity No: FM17US0123X

**14. Test and Assessment Procedure and Conditions:**

This Certificate has been issued in accordance with FM Approvals US Certification Requirements.

**15. Schedule Drawings**

A copy of the technical documentation has been kept by FM Approvals.

**16. Certificate History**

Details of the supplements to this certificate are described below:

Date	Description
14 <sup>th</sup> December 1995	Original Issue.
8 <sup>th</sup> September 2017	<u>Supplement 2:</u> Report Reference: – Project ID 3062444 dated 8 <sup>th</sup> September 2017. Products Originally Approved for FM US only under Project ID 3053840. Added FM Canadian mark to product and updated standards. Cleaned up marking information. Updated certificates to new format. Updated documents.
3 <sup>rd</sup> September 2021	<u>Supplement 3:</u> Report Reference: – Project ID PR453582 dated 3 <sup>rd</sup> September 2021. Added Models RLSSB, RLSB250, RLSB250T, RL75114, RLSCA, RL30002I. Updated documents.

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T: +1 (1) 781 762 4300 F: +1 (1) 781 762 9375 E-mail: [information@fmaprovals.com](mailto:information@fmaprovals.com) [www.fmaprovals.com](http://www.fmaprovals.com)

# CERTIFICATE OF CONFORMITY

- HAZARDOUS LOCATION ELECTRICAL EQUIPMENT PER CANADIAN REQUIREMENTS**
- Certificate No:** FM17CA0065X
- Equipment:** (Type Reference and Name) Models RL20000A, RL30002A, RL39123A, RL75040A, RL50210A, RLETB, RLETS, RLSCA, RLSSB, RL50250, RL50250T, RL75058, RL35023S, RL35083, RL35082, RL20001HE, RL70000A, RL75016WHE, RL75060S, RL75114, RL75223A, RL75040S, RLDB50000S, RL35023-N5, RL30000I, RL30002I, RL20000I, RL20001I, RL75016I, RL75058I Load Cells.
- Name of Listing Company:** Rice Lake Weighing Systems
- Address of Listing Company:** 230 W Coleman St, Rice Lake, Wisconsin 54868 USA
- The examination and test results are recorded in confidential report number:  
3062444 dated 8<sup>th</sup> September 2017
- FM Approvals LLC, certifies that the equipment described has been found to comply with the following Approval standards and other documents:  
CAN/CSA-C22.2 No. 60079-0:2015, CAN/CSA-C22.2 No. 60079-11:2014, CAN/CSA-C22.2 No. 213:2015, CAN/CSA-C22.2 No. 61010-1:2012
- If the sign 'X' is placed after the certificate number, it indicates that the equipment is subject to specific conditions of use specified in the schedule to this certificate.
- This certificate relates to the design, examination and testing of the products specified herein. The FM Approvals surveillance audit program has further determined that the manufacturing processes and quality control procedures in place are satisfactory to manufacture the product as examined, tested and Approved.

**Certificate issued by:**



J.E. Marquedant  
VP, Manager - Electrical Systems

3 September 2021  
Date

To verify the availability of the Approved product, please refer to [www.approvalguide.com](http://www.approvalguide.com)

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# SCHEDULE



Canadian Certificate Of Conformity No: FM17CA0065X

10. Equipment Ratings:

Intrinsically Safe for Class I, II, III Division 1, Groups A, B, C, D, E, F and G using Control Drawing 66021; Non-Incendive for Class I, Division 2, Groups A,B,C and D, Dust-Ignitionproof for use in Class II and III, Division 2, Groups F and G hazardous (classified) locations with a T4 rating and an ambient temperature rating of -25°C to +66°C

11. The marking of the equipment shall include:

IS Class I, II, III, Division 1, Groups A, B, C, D, E, F and G; T4; Ta = -25°C to +66°C; Entity ; Per Dwg 66021  
NI Class I, Division 2, Groups A, B, C, and D, T4 Ta = -25°C to +66°C; NIFW; Per Dwg 66021;  
DIP, Class II, III, Division 2, Groups F and G; T4 Ta = -25°C to +66°C; NIFW; Per Dwg 66021.

12. **Description of Equipment:**

General – The Load cells produce an output signal proportional to the applied weight force. The conversion of load measurements to electrical signals is made through the use of strain gauges. These are arranged in a balanced bridge configuration so that the deflection of the strain gauges causes a change in their resistance and unbalances the bridge circuit. For a given input voltage, the output voltage of the bridge will vary with the applied load or pressure.

Enclosure:

The circuitry of the Load Cell is encapsulated within the housing.

Ratings:

The Load Cells operate at 30 Vdc. The load cells are rated for use in an ambient temperature range of -25°C to +66°C.

**Models RL20000A, RL30002A, RL39123A, RL75040A, RL50210A, RLETB, RLETS, RLSCA, RLSSB, RLSEB250, RLSEB250T, RL75114, RL75058, RL35023S, RL35083, RL35082, RL20001HE, RL70000A, RL75016WHE, RL75060S, RL75223A, RL75040S and RLDB50000S, RL35023-N5, RL30000I, RL30002I, RL20000I, RL20001I, RL75016I, RL75058I Load Cells.**

Entity/NIFW Parameters:

$V_{Max} = 30 \text{ V}$ ,  $I_{Max} = 600 \text{ mA}$ ,  $P_i = 1.1\text{W}$ ,  $C_i = 0$ ,  $L_i = 0$ .

13. **Specific Conditions of Use:**

Under certain extreme circumstances, the non-metallic parts incorporated in the enclosure of model RL35023-N5, RL30002A, RL35023S, RL39123A, RLSSB, RLSEB250, RLSEB250T, RLETB, RL70000A, RL75016WHE, RL20000A, RL35082, RL35083, RL30000I, RL75016I, RL20001I, RL20000I, RL30002I, RLETS may generate an ignition-capable level of electrostatic charges. Therefore the equipment shall not be installed in a location where the external conditions are conducive to the build-up of electrostatic charges on such surfaces.

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Canadian Certificate Of Conformity No: FM17CA0065X

Additionally, the equipment shall only be cleaned with a damp cloth.

**14. Test and Assessment Procedure and Conditions:**

This Certificate has been issued in accordance with FM Approvals Canadian Certification Scheme.

**15. Schedule Drawings**

A copy of the technical documentation has been kept by FM Approvals.

**16. Certificate History**

Details of the supplements to this certificate are described below:

Date	Description
8 <sup>th</sup> September 2017	Original Issue. Products originally Approved for FM US only under Project ID 5Z5A7AX. Added FM Canadian mark to product and updated standards. Consolidated Certificate 305380 Model codes into this certificate. Cleaned up marking information. Updated certificates to new format. Updated documents.
3 <sup>rd</sup> September 2021	<u>Supplement 1:</u> Report Reference: – Project ID PR453582 dated 3 <sup>rd</sup> September 2021. Added Models RLSSB, RLSB250, RLSB250T, RL75114, RLSCA, RL30002I. Updated documents.

**THIS CERTIFICATE MAY ONLY BE REPRODUCED IN ITS ENTIRETY AND WITHOUT CHANGE**